

## Product Information

### PI3K inhibitor MTX-211, Purity ≥98%

**Cat. No.:** X24-05-ZQ116

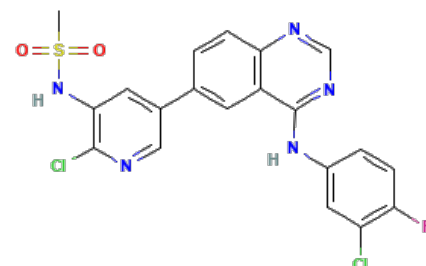
**Size:** 2 mg; 5 mg; 10 mg; 50 mg

**CAS Number:** 1952236-05-3

**Compound CID:** 121416213

**Synonym:** 1952236-05-3; MTX211; MTX 211; PI3K inhibitor

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	MTX-211, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets EGFR and PI3K.
<b>Molecular Weight</b>	478.3234
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>14</sub> Cl <sub>2</sub> FN <sub>5</sub> O <sub>2</sub> S
<b>Targets</b>	EGFR; PI3K
<b>IUPAC Name</b>	<i>N</i> -[2-chloro-5-[4-(3-chloro-4-fluoroanilino)quinazolin-6-yl]pyridin-3-yl]methanesulfonamide
<b>InChI</b>	InChI=1S/C20H14Cl2FN5O2S/c1-31(29,30)28-18-7-12(9-24-19(18)22)11-2-5-17-14(6-11)20(26-10-25-17)27-13-3-4-16(23)15(21)8-13/h2-10,28H,1H3,(H,25,26,27)
<b>InChI Key</b>	GUYKCXXNIKKSBC-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CS(=O)(=O)NC1=C(N=CC(=C1)C2=CC3=C(C=C2)N=CN=C3NC4=CC(=C(C=C4)F)Cl)Cl
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	DMSO: 22 mg/mL (45.99 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	MTX-211 is used to study dual inhibition of PI3K and mTOR pathways in cancer research.
<b>Storage</b>	Store at -20°C.